Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	03/23/2020 10:17 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	02/04/2020 09:45 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125196	0	2.67	125302	2.64
Blue	F	SSC	125000	124072	-1	1.45	124720	1.47
Blue	E	FITC	15892	15470	-3	2.93	336	20.07
Blue	D	PE	29999	29758	-1	2.15	649	14.76
Blue	B	PerCP-Cy5-5	43732	43820	0	3.82	1176	20.36
Blue	A	PE-Cy7	30845	30905	0	6.26	586	41.62
Red	C	APC	46112	45321	-2	2.39	1594	11.84
Red	A	APC-Cy7	30458	29609	-3	2.29	780	11.75
Violet	B	V450	7918	7493	-6	4.87	427	12.73
Violet	A	V500	32171	31063	-4	4.81	726	10.73

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17406	15.45	624	3	N/A	N/A	Pass
Blue	F	SSC	57162	1.20	565	6	N/A	N/A	Pass
Blue	E	FITC	60	65.09	544	1	0.0201	126	Pass
Blue	D	PE	136	51.01	551	3	0.1754	329	Pass
Blue	B	PerCP-Cy5-5	215	51.44	659	3	0.0092	106	Pass
Blue	A	PE-Cy7	110	104.77	702	4	0.0107	23	Pass
Red	C	APC	383	24.86	584	0	0.0262	187	Pass
Red	A	APC-Cy7	171	28.83	555	-1	0.0059	1165	Pass
Violet	B	V450	65	58.41	463	5	0.0645	2590	Pass
Violet	A	V500	108	34.00	479	5	0.0236	819	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.54	-32.05	0.99
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.47
Red	16.08	13.60 - 20.40	N/A	N/A	29.59	30.06	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 9952

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments